

**INFORMATION DISCLOSURE STATEMENT:**

A copy of Isenberg, "Science of Soap Films and Soap Bubbles" is submitted.

A copy of Williams, "The Integraticircumeionicateenatic Principle" referenced as "in preparation" in the original specification has been published and is submitted. The reference is added to the Information Disclosure Statement and the citation is amended in the specification.

**SPECIFICATION:**

The inventor intends to exchange the positions of the contents of the "Brief Glossary" (page 2-3) and the contents of the "Annotated Glossary" (page 13-28).

This exchange of glossary positions will place the "Annotated Glossary" near the beginning of the Specification, in order that its contents are relative to the background of the invention, and will place the "Brief Glossary" later in the Specification, in order that its definitions are relative to the invention itself.

For simplification of Amendment A this exchange will be accomplished after completion of the following, less extensive, changes in the Specification:

Page 2, replace paragraph 1 (following the title, "Brief Glossary") with the following paragraph:

In order to facilitate a clear understanding of the nature and intent of the present invention, the following terms, definitions, and distinctions are specified and designated by the inventor to apply to the preferred embodiments and the claims of the invention.

Page 2, replace definition of "Event..." with the following:

Event: The term Event 22 represents the generalized class of individual masses, beings, entities, fields, and energies.

Page 3, replace definition of “Domain” with the following:

**Domain**: A Domain 32 is the area, volume, or hyper-volume belonging to a specific Event. A Domain encloses or encapsulates an Event. A Domain may be considered to be a modifiable circle, modifiable sphere, or modifiable hyper-sphere.

Page 3, replace definition of “Space...” with the following:

Space: In general usage, Space 66 is the great 3-dimensional realm in which all objects are located and all Events occur. Space and Events are considered to be two complimentary aspects of one system.

Page 4, top, replace definition of “Infusion:...” with the following:

Polyhedron: A Polyhedron is a three-dimensional figure (Domain Boundary) composed of polygon faces (Platens), edges (Rims), and vertices (Nodes).

Page 10, paragraph 1, delete last two lines:

~~Relationships among Events and Space that are mapped in one moment,  
change in the next moment.~~

Page 13, following the title “Annotated Glossary” insert the following paragraph:

In order to facilitate a broad understanding of the background and field

of the present invention the following terms, definitions, distinctions, assumptions, and hypotheses are presented by the inventor. It is noted that, though the present invention makes use of concepts usually associated with mathematics and the physical sciences, the concepts may also apply to other disciplines such as: anthropology, archaeology, architecture, ecology, economics, forestry, geography, geology, linguistics, marketing, operations research, physiology, political science, psychology, regional planning, remote sensing, sociology, statistics, and urban planning.

Page 13, replace the 3 paragraph definition of “Event...” with the following:

Event: The term Event 22 refers to the generalized class of things, masses, beings, entities, fields and energies.

An Event may be considered as unitary, though it may consist of a localized clustering of a plurality of things, masses, beings, entities, fields and energies, either of one species or in combination with others. An Event may also be an entire class of things, masses, beings, entities, fields and energies within a specific hierarchical level, embedded by (or embedding) Events at other levels. The plurality of contents comprising an Event may be regarded to exist on a different hierarchical level from the Event itself and the plurality of contents may be mapped and integrated into the hierarchy. (See Fig. 11A and 11B.)

Two Events are considered to be in interaction when the energy or interaction between the two is greater than the energy or interaction between either of the two Events and any other Event in the vicinity of the two Events.

Page 14, paragraph 2, replace with the following new paragraph:

The Platen forms the fundamental area of Space (or boundary among Spaces) ~~along~~ at which friction, sound, Van der ~~Wall~~ Waals forces, a portion of gravity, and the like, can ~~move~~ appear. A Platen may also be considered as a field of energy or an energy sink forming an interface between a minimum of two Events.

Page 14, paragraph 4, add the following new words:

On a macro-scale, it is here hypothesized as part of the Background discussion that Platens act as gateways through which pristine Space emerges and infuses into cognate Space.

Page 14, paragraph 5, replace definition of “Domain...” with the following definition:

Domain: A Domain ~~32~~ is the area, volume, or hyper-volume belonging to a specific Event ~~22~~. A Domain encloses or encapsulates an Event. A Domain is enclosed by a Domain Boundary (see Fig. 3 and Fig 10).

Page 15, paragraph 1, line 2:

replace ~~eonsid-erations~~ with considerations.

Page 17, paragraphs 3 and 4, replace these first 2 paragraphs of the definition of “Space...”(beginning with “Space...” and ending with “... Preparation.”) with the following:

**Space:** In general usage, Space 66 is the great 3-dimensional realm in which all objects are located and all Events occur. Space and Events are considered to be two complimentary aspect of one system. The location of an Event in Space can be described with x, y, z coordinates.

In an expansion of this classical definition of Space, it is hypothesized for discussion purposes that Space is a form of energy emerging as dimension. On the macro-scale, Space is continuously emerging out of Platens from an unknown meta-dimensional source. The emergence of the energy of new Pristine Space through the gateway of Platens is the primary cause of expansion of the Universe. (See; Williams, R., “On the Integrative Circum-Eionic Tension Principle” Eudaemon Institute Monograph 0401, Llano, CA 93544)

Page 28, top, replace definition of “Infusion:...” with the following:

**Polyhedron:** A Polyhedron is a three-dimensional figure (Domain Boundary) composed of polygon faces (Platens), edges (Rims), and vertices (Nodes). A Polyhedron is a member of a family of n-dimensional Polytopes, all of which follow a topological law termed Euler’s Law.

Page 28, beneath heading “General Overview...”, line 1 delete ~~other~~; line 3 delete comma after “Spaces”.

Page 29, last paragraph (extends to page 30), replace with the following new paragraph:

In one approach to this method of mapping, interlinked Platens 26 forming Domain Boundaries 34 enclosing each Event 22 are located where gravitational, and other forces as well, between two interacting Events approach stability. In this regard, Table I 20 presents some important examples of equations that may be used to determine locations and sizes of Platens between and among Events.

Page 30, delete paragraph 1, beginning with "On..." ending with "... Universe."

Page 30, paragraph 2, replace with the following new paragraph:

Angular relationships among Events (matter) in the Universe have remained fairly constant throughout the history of the Universe. The distribution of matter in the Universe is also mostly uniform. Basically, Space is growing in size.

Page 30, last paragraph (extends to page 31), replace with the following new paragraph:

The concepts that: (1) Space is in a continual expansion; (2) most grand galactic Events in the universe maintain approximately consistent angular and topological relationships to one another throughout time; and (3) the speed of separation of the grand galactic Events is accelerating; presents a reality that will be more clearly understood when it is demonstrated that Space, as energy, is in continual expansion through Domain Boundary gateways as Domain Boundaries and interlinked Platens grow in unison. Platens and Domain Boundaries define the fundamental structure of Space.

Page 32, first paragraph, line 1, replace ~~bio-logical~~ with biological.

Page 33, top, line 7,

~~The above~~ These characteristics are seen in 70+% of crystal structures of the elements.

Page 33, after paragraph 2, add the following paragraph:

These mathematical facts are used in the mapping method and system of the present invention, along with the equations of Table I 20 to determine positions and angular relationships among Events 22, Platens 26, Domains 32, and interrelated Domain Boundaries 34. These, in conjunction with the Flow Chart of Fig. 2, enable a person to methodically use the method and system for generating maps of the invention.

Page 35, paragraph 3, line 2, replace ~~teache~~ with teach.

Page 35, paragraph 4, line 2, replace ~~illustra-tive~~ with illustrative.

Page 36, paragraph 3, replace with the following paragraph:

In cases of multiple Events in relationship, Events may be added indefinitely. Using relevant equations from Table I 20, the flow chart of Fig. 2, the angular requirements stated above, and/or other sources; Events 22 and Platens 26 may continually be added in order to increase the size and

complexities of the maps. Fig. 6 shows the relationships among fifty Platens 26 that define relationships for fifteen clustered Events 22.

Page 37, paragraph 1, line 1, replace ~~transfer-mations~~ with transformations.

Page 40, paragraph 2, replace with the following paragraph:

The inventor believes that his invention is distinctly different from all prior art. In order to address these and other shortcomings of the prior art, it is a feature and advantage of the present invention to provide a unified method and system for creating maps of the spatial relationships and the energy relationships among Events in the Universe. These relationships include: (1) very small fundamental particles, (2) large bodies or clusters of bodies on an astronomical scale, (3) relationships among hierarchical levels, (4) the fundamental unity of Event-Space.

Page 41, part (i), replace with the following sentence:

- (i) To provide a unified method and system for understanding the dynamic process by which Space in the known Universe is in continual growth.

Page 42, part (u), replace with the following sentence:

- (u) To provide a unified method and system for demonstrating the role that Platen/Domain Boundaries play in causing the Universe to expand.



Page 45, paragraph 1, delete last sentence:

~~—The maps can demonstrate the explanation for the expansion of the Universe by showing the energetic qualities inherent in the nature of Space.~~

Page 46, last line, replace ~~character-istics~~ with characteristics.

Page 47, part (2) at top, replace with:

(2) Table of Equations 20 or other conceptual tools may be used ~~to begin in~~ this the process.

Page 47, part (4), line 1, replace with:

This is followed by the iterative ~~sequence~~ sequencing of adding one

Page 50, paragraph 3, delete:

~~—It is at the Platen 26 areas that the various forces between Events → 0. (See: Annotated Glossary: Space)~~

Page 52, paragraph 5, replace with the following paragraph:

Fig. 9 also shows a way to visualize how small units of Space 66 can be defined within Domain Boundaries 34. More detailed mapping of energetic configurations *within* the Domain Boundaries is possible by careful analysis.

Page 53, lines 5-6 at top, delete the following sentence:

~~Again, the General Character-istics presented above are typical.~~

Page 56, part (8), replace with the following sentence:

- (8) A presentation is made demonstrating the relationship between Space and Event as a unified concept.

### **Exchange of Glossary Positions**

As stated at the beginning of this amendment: After all of the above minor changes have been performed:

Pages 2-3, move "Brief Glossary" (beginning with "Brief Glossary" and ending with "space") to Page 13, under "THEORY OF THE INVENTION";

Pages 13-28, move "Annotated Glossary" (beginning with "Annotated Glossary" and ending with "Geodesic.") to begin on Page 2, following "BACKGROUND—DESCRIPTION OF PRIOR ART"

### **Special Note to the Typesetter:**

Some of the mathematical symbols contained in the Annotated Glossary discussion of "Space" are used for the first time here. They are:

Л: Russian "L"

ل: Arabic "lam"

ל: Hebrew "lamed"